

# Hornsea 3 Project Briefing Pack

Spring 2025

# Briefing pack overview

This briefing pack provides an overview of the works being delivered on the Hornsea 3 project. It presents information covering three areas:

- Area A – from landfall in Weybourne down to Corpusty and Saxthorpe.
- Area B – from Corpusty and Saxthorpe (end of Area A) to Attlebridge.
- Area C – from Attlebridge (end of Area B) to the Onshore Converter Station in Swardeston.

We will provide regular updates as appropriate. If you have any questions about this pack, or the Hornsea 3 project in general, please use the contact details provided at the end of the Briefing pack.

# Delivering our works

Generally, all our works follow the same pattern, starting at the north end of the route and moving towards the southern end of the route. However, there will be variance in some areas due to local circumstances.

This means you will not see continuous activity along the whole of the cable corridor. Instead, you will likely see periods of local activity for a few weeks, or in some cases a few days, before we move to a different section of the cable corridor.

# Hornsea 3 offshore wind farm

Kingston Upon Hull  
Immingham  
Grimsby  
Skegness  
Boston  
King's Lynn  
Peterborough

Hornsea 2



Hornsea 1

Hornsea 3

- Hornsea 3
- Offshore Cable Route Corridor
- Onshore Cable Route Corridor
- Onshore Converter Station
- Landfall point



Cromer

Norwich

Great Yarmouth



# Hornsea 3 offshore wind farm

We're building the world's largest offshore wind farm 121km off the Norfolk coast and 160km off the Yorkshire coast.



Up to 231 offshore wind turbines



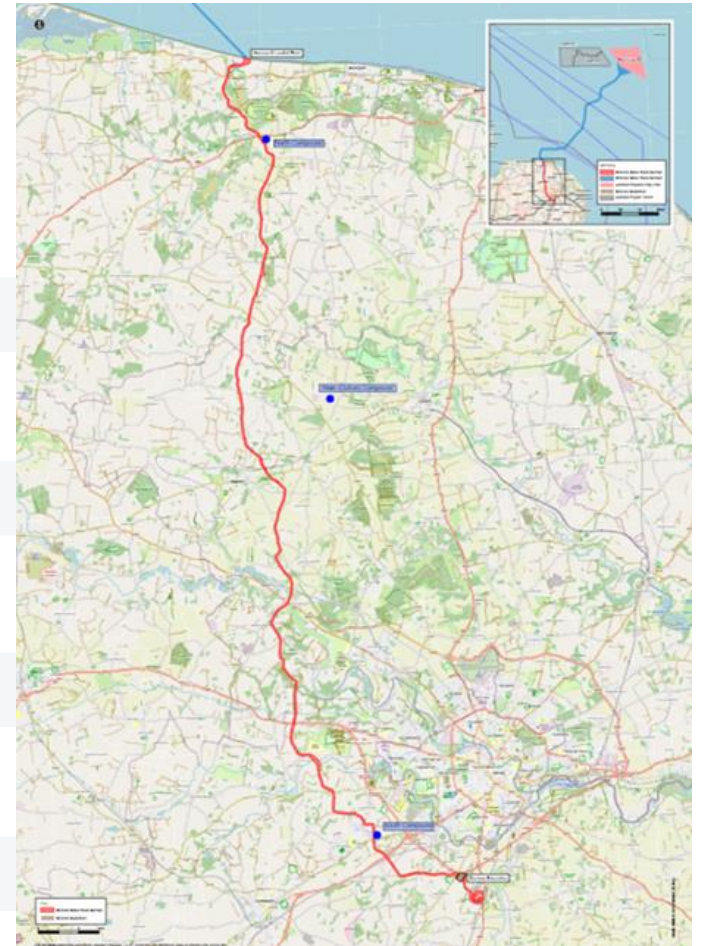
A 54km cable installed underground



c. 2.9GW of green electricity



Enough clean energy to power  
3 million UK homes



Hornsea 3 cable route from landfall (Weybourne) to the Converter Station (Swardston)

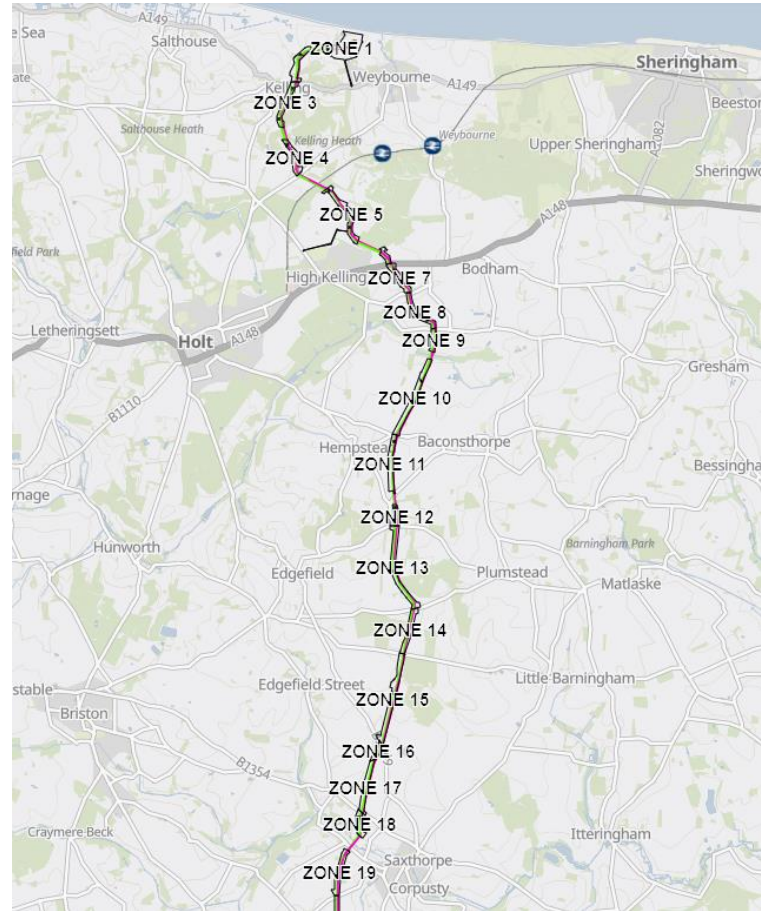
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# Hornsea 3 Project

## Area A

## Area A

This section provides an overview of the main activities we have undertaken and planned in Area A, from landfall near Weybourne down to Corpusty and Saxthorpe.



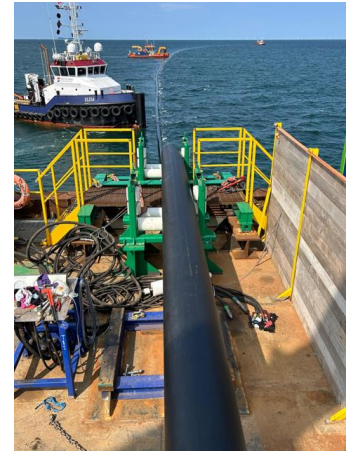
## Area A (Landfall)

The Landfall team will be mobilising back to the Landfall Site from March 10 to reset the Horizontal Directional Drill (HDD) rig, with the commencement of the final drill taking place within the next two weeks.

They will then be mobilising the offshore spread around the end of March for an estimated further two weeks. You may notice that works will be undertaken all day, seven days a week from jack up barge arrival until the duct is pulled onto shore.

The team will be finishing off snagging works in the Weybourne site compound and demobilisation of the offshore and onshore equipment through May 2025.

During demobilisation, the team will remove the remaining piled anchor walls, cut the casing pipes and bury the final HDD duct ends ready for Volker Fitzpatrick (Hornsea 3 principal contractor responsible for the installation of the onshore cables) to construct the Transition Joint Bays (TJBs) ready for cable pulling planned for May – June 2025.





# Area A (south of Landfall)

## Access Point Installation

All access point installations have been completed. During summer 2025 removal of the access points will begin.

However, landowners can apply to the council for planning permission to keep these if they prefer.

## Topsoil Stripping

Topsoil strips have been completed in North Norfolk.

## Preconstruction Land Drainage

All preconstruction drainage is completed.

## Haul Roads

All zones have been stoned. Removal of haul roads within North Norfolk has commenced. We hope to have all haul roads removed within this area by June 2025.



# Area A (south of Landfall)

## Duct Instillation

All ducting has been completed in this area.

## Horizontal Directional Drills

All HDDs have been completed in this area.

## Joint Bay works

All Joint Bays have been completed in this area.

## Reinstatement

We have completed reinstatement in seven zones. We aim to have all reinstatement completed in Area A by summer 2025.

Access point removal will start in summer 2025 finishing autumn 2025.



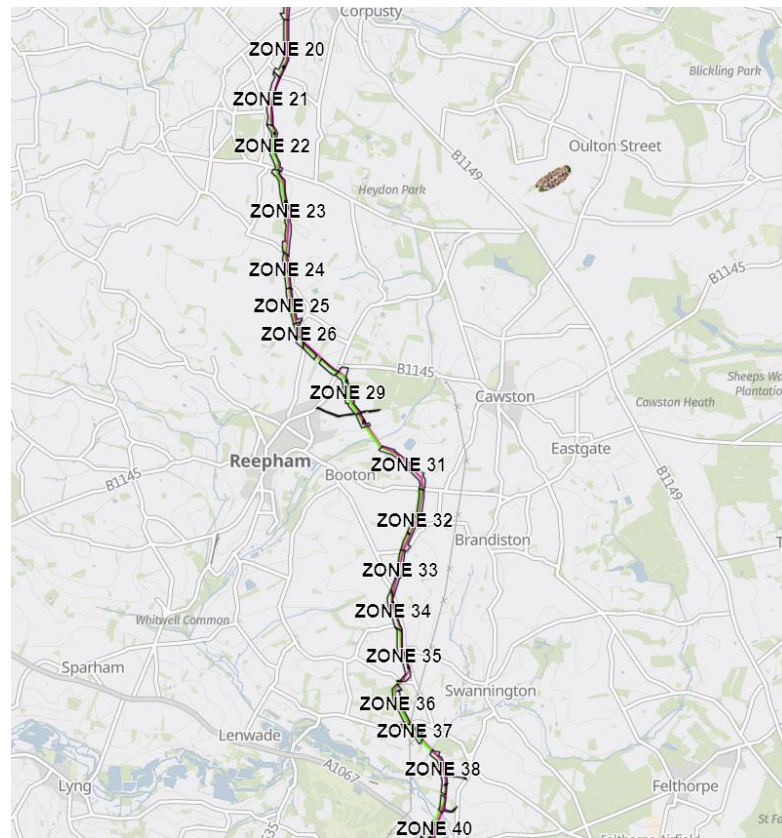
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# Hornsea 3 Project

## Area B

## Area B

This section provides an overview of the main activities we have undertaken and planned in Area B, from Corpusty and Saxthorpe to Attlebridge.



# Briefing area pack, B

## Access Point Installation

All access point installations have been completed. During summer 2025 removal of the access points will begin. However, landowners can apply to the council for planning permission to keep these if they prefer.

## Topsoil Stripping

Topsoil strips have been completed in Area B. All zones have also been stoned.

## Preconstruction Land Drainage

All preconstruction drainage has been completed in this area.

## Haul Roads

All zones have also been stoned. Removal of haul roads within North Norfolk has commenced. We hope to have all haul roads removed within this area by autumn 2025.



# Briefing area pack, B

## Duct Instillation

All ducting has been completed in this area.

## Horizontal Directional Drills

All HDDs have been completed.

## Joint Bay construction

All joint bays have been completed.

## Reinstatement

We have not completed any reinstatement within area B. We aim to have all reinstatement completed in Area B by summer 2025.

Reinstatement is planned to take place in May 2025 and finish October 2025.

Access point removal will start in summer 2025 and finish winter 2025.



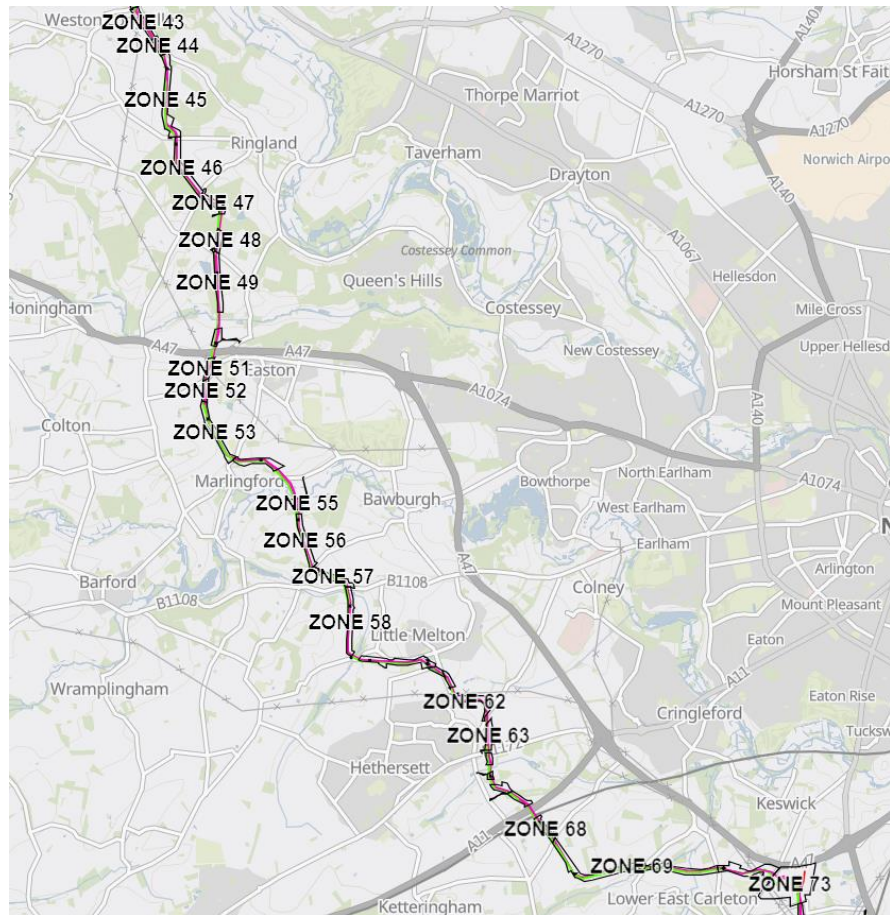
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# Hornsea 3 Project

## Area C

## Area C

This section provides an overview of the main activities we have undertaken and planned in area C, from Attlebridge to the Onshore Converter Station in Swardeston.





# Area C

## Access Point Installation

All access point installations are completed. During summer 2025 removal of the access points will begin. However, landowners can apply to the council for planning permission to keep these if they prefer.

## Topsoil Stripping

Topsoil strips have been completed in all but four Zones in this area.

## Preconstruction Land Drainage

All preconstruction drainage is completed.

## Haul Roads

Haul roads within South Norfolk are due to complete spring 2025. We are looking to have all haul roads removed within this area by Spring 2026.



# Area C

## Duct Instillation

Duct Installation within this area is due to be complete by September 2025

## Horizontal Directional Drills

HDDs started in winter 2024 and are due to complete summer 2025.

## Joint Bay works

Joint Bay works will start in spring 2025 with backfilling operations due to be completed winter 2025.

## Reinstatement

Reinstatement is planned to take place in summer 2025 for the A47 heading south-east. We aim to have all reinstatement completed in Area C by spring 2026.



# Glossary

## Access points (bell mouths)

To access each land plot for our works, new gated construction traffic access points (bell mouths) need to be installed at highway entrance / exit points. The bell mouths provide access to the work area for plant, machinery, materials and anything else required to ensure the project is delivered on time.

Timeframes for installation vary depending on their size and complexity, however we will inform communities of any proposed disruption through Advance Work Notices (AWNs). As with all work on the highway, some short-term disruption may occur where a road closure or lane-closure is required.

Since works started in June 2022 we have sent out over 160 AWNs regarding any road or lane closure along the route.

## Drainage

Preconstruction drainage is installed where necessary to keep the soils draining effectively during our trenching works. Post-construction drainage will then be installed to help the land return to its former use.

## Ducting

Duct installation works consist of trench excavations where ducting will be laid. The ducting acts as a protective casing through which the cabling will be pulled later in the project. Upon completion of installing the ducting, the trench will be reinstated with subsoil. A specialist insulating material is used to surround the ducting, to help reduce the risk of the cables overheating. A team of groundworkers use excavator machines to complete the digging and backfilling of the trenches.

# Glossary

## Earthworks / Topsoil Strip

Prior to topsoil stripping, demarcation fencing is installed to define the construction working corridor using post and rope or stockproof fencing where applicable.

Excavators will scrape back the topsoil, which will then be piled at the side of the working area, to form a topsoil bund. This prevents the topsoil becoming damaged by working equipment. Topsoil and subsoil will be stored separately on a field-by-field basis.

These topsoil bunds are then seeded with an approved seed mix to reduce the risk of surface water run-off and soil erosion.

## Haul Roads

A temporary haul road is constructed along the cable route to protect the subsoil from damage and create a safe, designated route for our construction traffic.

It's also important that the aggregate that we lay for the haul road is kept separate from the area of land we have just excavated. A separation membrane helps ensure this. Heavy Goods Vehicle (HGV) tipper wagons will be required to deliver the stone to site.

## Horizontal Directional Drills

Horizontal directional drills (HDDs), also known as directional boring, are a minimal impact trenchless method of installing underground utilities, in this case ducting for high voltage cables.

There will be approximately 95 HDDs on Hornsea 3, located under roads, woodland, rivers and rail links, reducing the effects that open-trench construction methods would create and therefore minimising disruption.

# Glossary

## Joint Bays

The construction of joint bays is required to enable the installation and jointing of the cable sections to form a complete circuit.

The joint bays are typically every 1-1.2km, depending on the length of the cable, road access, topography, soil type, rivers, roads, and other physical land constraints.

## Jointing

Jointing is the process by which we connect the individual sections of cables together to form a complete circuit. This process is completed within our joint bays, where specialist teams of welders connect the ends of the cables. Before jointing can commence, small compounds need to be erected at the joint bays.

## Reinstatement

Reinstatement is returning land back to its original state and function. This is done by removing the Haul roads, soil is put back over the cable, access points are removed and then finally the hedgerows are replanted.

We appreciate that the works we undertake are instructive , we work closely with our Principal Contractor to ensure that the correct processes are in place to ensure that soli fatality and structure that Preservation and control of the topsoil during the construction process to ensure that once works have finished, we're able to restore the land to how it was before.

## Zones

The cable route is broken down into zones. There are a total of 72 zones along the onshore cable corridor route, all going through North Norfolk, Broadland and South Norfolk.

# Glossary – Landfall

## Jack up barge

The jack-up barge is a stable and safe offshore working platform that is required for the recovery of the drilling equipment launched from shore and for changing the drill head. It also contains accommodation facilities for the marine team to rest.

## Snagging works

These works take place at the Weybourne site compound to ensure the ducts are kept clean, a messenger wire (wire that allows the winch cable to be pulled through the duct for the installation of the cable) is inserted within, and that the ducts are buried to the correct depth temporarily for eventual connection to the onshore cable ducts.

## Anchor walls

These support the HDD rig to reduce movement during drilling.

## Transition Joint Bays (TJBs)

Where the cables are joined from offshore to onshore.

# How to get in Touch

## Project enquiries

Community Liaison Officer – Lilly Dowe

Telephone: 0800 158 2354

Email: [community@hornsea3.co.uk](mailto:community@hornsea3.co.uk)

We aim to provide a full response to all enquiries within 10 working days.

Let's create a world  
that runs entirely on  
green energy

